Qty:

Date:

Tuesday, 11/29/2005 2:49:49 PM

User:

Linda Lacelle

Process Sheet

Customer Job Number

: CU-DAR001 Dart Helicopters Services

: 25012

Estimate Number : 11073 : NA P.O. Number

: 11/29/2005 This Issue

: NC

S.O. No. : N/A

: NA First Issue : NIA **Previous Run**

: MACHINED PARTS

Part Number

Drawing Name

: D31373 . D3137 REV D

: GUIDE

Drawing Number Project Number

: N/A

Drawing Revision Material **Due Date**

: 11/29/2005

Written By

Prsht Rev.

: See above date & user : SEE above date & USER.

Checked & Approved By Comment

: Created By Auto Work Order*!!* Late - Some of the material cannot

be made in time.

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

MDELRINB075X1250

Delrin Bar



Comment: Qty.:

0.0831 f(s)/Unit Total: 1.6611 f(s)

Matl:Black Delrin bar 1.250" x .750" (ref DART spec. M-DELRIN-B) Batch: M 14535

Tools:

Tools:

BAND SAW

05/12/16

2.0

BAND SAW



Comment: BAND SAW

Cut Blanks.Blank size: 1.250" x .750" x .950" long

05/12/116

3.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

1-Machine as per Folio FA242 & Dwg D3137

2-Deburr

Tools:

06.02.10

31

4.0 QC2 INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

Tools:

06-02-10

Page 1

Form: rprocess

Dart Aerospace Ltd

W/O:		WORK ORDER CHAN	GES	••						
DATE	STEP	PROCEDURE CHANGE	Ву	By Date Qty Chief Er		Approval Chief Eng / Prod Mgr	Approvai			
Part No):	PAR #: Fault Category:	NCR: Yes	No DQ	A: <u></u>	Date: _	06/07/1			

QA: N/C Closed: ____ Date: ____

NCR:			WORK ORD	ER NON-CONFORMANO	CE (NCR)						
		Description of NC		Corrective Action Section B	Verification	Annroval	Ammanal				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector			
						:					

NOTE: Date & initial all entries

Date: User:

Tuesday, 11/29/2005 2:49:49 PM

Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: GUIDE

Job Number: 25012

Part Number: D31373

Job Number:



Seq. #:

Machine Or Operation:

Description:

86

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

Tools:

PACKAGING 1



31

6.0

7.0

Job Completion

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

06.02-10

Tools:

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

Tools:

Dart Aerospace Ltd

W/O:		WORK ORDER CHA	DER CHANGES					
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			·					
Part No	•	PAR #: Fault Category:	NC	R: Yes	No DQ	 A :	Date:	

QA: N/C Closed: ____ Date: ____

NCR:		-	WORK ORDI	ER NON-CONFORMANC	E (NCR)							
		Description of NC		Corrective Action Section B				A				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector				
•						!						
						·						
				1								
						,						

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	
Description: Guide	Part Number: D3	137-3
Inspection Dwg: D3137 Rev: D	Pag	e 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.175	+/-0.010	.175	14	,		
Ø0.257	+0.005/-0.000	.260		·		
Ø0.65 x 100°	+/-0.030	665X100°				
0.425	+/-0.010	.425	//			
0.550	+/-0.010	.55/	//			
1.100	+/-,0.010	1.101				
0.470	+/-0.010	,470				
0.850	+/-0.010	851	//			
0.143	+/-0.010	./38				
·.		. 4				
	,					÷
	5 30 5			# .		* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
:						
-						
X .						

Measured by: J.L	Audited by:	NS.	Prototype Approval:	N/A
Date: 06.0210409	Date: O	102/09	Date:	N/A

			T=	
Rev	Date	Change	Revised by	Approved
Α	03.11.27	New Issue	KJ/RF	
В	04.11.12	0.175 was 0.145 & Ø0.65 x 100° was Ø0.75 x 100°	KJ/JLM	

W/O:			W	ORK ORDER CHANGES					
DATE	STEP	PRO	PROCEDURE CHANGE			Date (Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
Part No	:	PAR #:	Fault Cat	egory: N	CR: Yes	No DQA:		Date: _	
					QA: I	N/C Closed: _	 	Date: _	
NCR:			WORK ORI	ER NON-CONFORMANC	CE (NCI	R)			
		Description of NC	Description of NC Corrective Action Section		-	Verificati	ion	Approval	Approval QC Inspector
DATE	STEP	Section A Initia	Initial Chief Eng			Section (Chief Eng	

NCR:			WORK ORD	ER NON-CONFORMAN	CE (NCR)						
		Description of NC		Corrective Action Section B		Verification	Approval	Approval QC Inspector			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng				
•								,			

NOTE: Date & initial all entries





DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO. REV. D
<i>†</i>	- H	D3137 SHEET 1 OF 4
DATE		TITLE SCALE
 04.11.03		BRACKET ASSEMBLY 1:1
Α	02.04.17	NEW ISSUE
В	03.01.16	ADD RIDGES; ADD MAT'L PROP.
	03.08.15	ADD -043



104	11.03	BRACKET ASSEMBLT	
Α	02.04.17	NEW ISSUE	
В	03.01.16	ADD RIDGES; ADD MAT'L PROP.	
С	03.08.15	ADD -043	
D	04.11.03	RE-DESIGN D3137-5; CHANGE DIMS	

UNDER REVIEW

05.08.29 FF

D3137-041 } ONLY

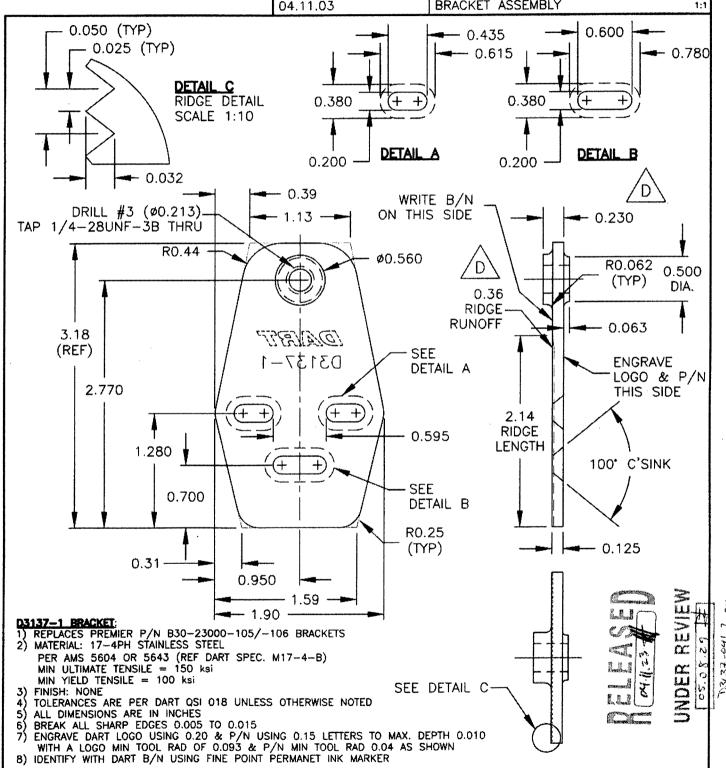
MS24694-S101 SCREW D3137-5 WASHER D3137-3 GUIDE INSTALL ON SAME SIDE AS C'SINKS (OPPOSITE SIDE FROM RIDGES) D3137-1 BRACKET (-041 SHOWN) D3137-7 BRACKET (-043 SIMILAR)

D3137-041 BRACKET ASSEMBLY (SHOWN) D3137-043 BRACKET ASSEMBLY (SIMILAR)





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CHECKED	APPROVED	DRAWING NO.		REV.	D
#	-#	D3137	SHEET :	2 OF	4
DATE		TITLE		SCAL	Ε
04 11 03		BRACKET ASSEM	BLY	1	:1



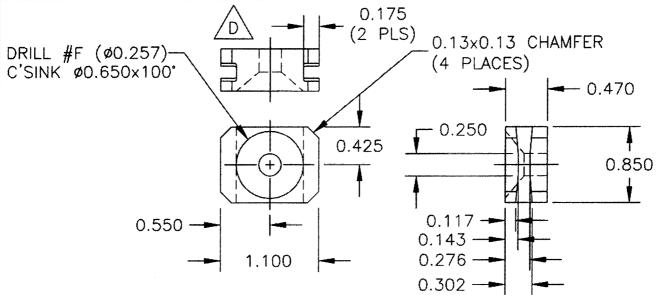
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CHECKED	APPROVED	DRAWING NO.		REV. D	
#	#	D3137	SHEET	3 OF 4	
DATE		TITLE		SCALE	
04.11.03		BRACKET ASSI	EMBLY	1:1	



D3137-3 GUIDE

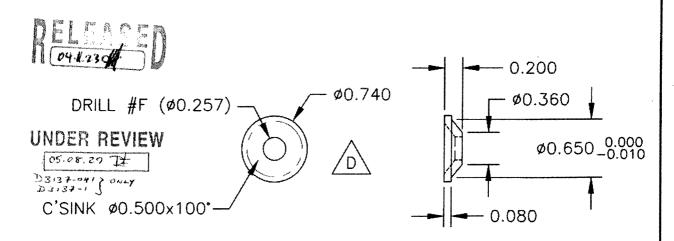
1) REPLACES PREMIER P/N B30-23000-207

2) MATERIAL: DELRIN BAR (REF DART SPEC. M-DELRIN-B)

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

4) ALL DIMENSIONS ARE IN INCHES

5) BREAK ALL EDGES 0.005 TO 0.015



D3137-5 WASHER

1) REPLACES PREMIER P/N B30-23000-209

2) MATERIAL: 6061-T6 (QQ-A-225/8 OR QQ-A-200/8) BAR (REF DART SPEC. M6061T6R)

3) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

5) ALL DIMENSIONS ARE 'IN INCHES

6) BREAK ALL EDGES 0.005 TO 0.015

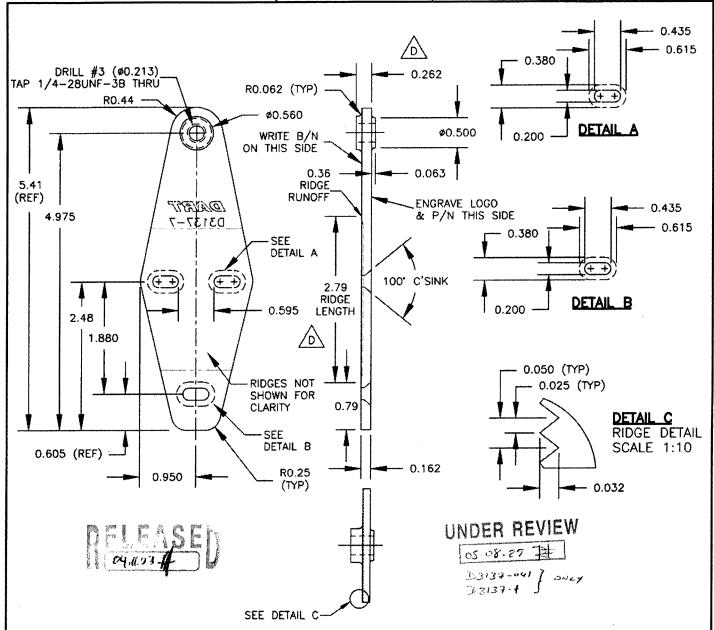
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CHECKED	APPROVED,	DRAWING NO.	REV. D
#	1 #	D3137	SHEET 4 OF 4
DATE		TITLE	SCALE
04.11.03		BRACKET ASSEMBLY	2:3



D3137-7 BRACKET:

- 1) MATERIAL: 17-4PH STAINLESS STEEL PER AMS 5604 OR 5643 (REF DART SPEC. M17-4-B)
 MIN ULTIMATE TENSILE = 150 ksi
 MIN YIELD TENSILE = 100 ksi
- FINISH: NONE
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- 4) ALL DIMENSIONS ARE IN INCHES
 5) BREAK ALL SHARP EDGES 0.005 TO 0.015
 6) ENGRAVE DART LOGO USING 0.20 & P/N USING 0.15 LETTERS TO MAX. DEPTH 0.010
 WITH A LOGO MIN TOOL RAD OF 0.093 & P/N MIN TOOL RAD 0.04 AS SHOWN
 7) IDENTIFY WITH DART B/N USING FINE POINT PERMANENT INK MARKER

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